

## RESULT LIST

60 results found in the Worldwide database for:  
**phthalocyanine\* AND plasma\*** in the title or abstract  
(Results are sorted by date of upload in database)

10/775,066

- 1 NEAR INFRARED ABSORBING FILTER, AND PLASMA DISPLAY FRONT BOARD, AND PLASMA DISPLAY USING FILTER**  
Inventor: MASUDA SEIJI; KITAO MASUAKI      Applicant: NIPPON CATALYTIC CHEM IND  
EC:      IPC: G02B5/22  
Publication info: **JP2004309655** - 2004-11-04
- 2 Organic electroluminescent device and method of fabricating the same**  
Inventor: KANNO HIROSHI (JP); YONEDA KIYOSHI      Applicant:  
(JP); (+2)  
EC:      IPC: H01L35/24  
Publication info: **US2004211956** - 2004-10-28
- 3 Process for preparing strip type array carbon nano tube**  
Inventor: LIU YUNQI (CN); WANG XIANBAO (CN); (+1)      Applicant: CHINESE ACAD INST CHEMISTRY (CN)  
EC:      IPC: C01B31/02  
Publication info: **CN1433962** - 2003-08-06
- 4 Plasma display panel with terbium(III)-activated phosphor**  
Inventor: JUESTEL THOMAS (DE); BECHTEL HELMUT      Applicant: PHILIPS CORP INTELLECTUAL PTY (DE);  
(DE); (+1)      KONINKL PHILIPS ELECTRONICS NV (NL)  
EC: H01J5/16      IPC: H01J17/16; H01J17/49; (+1)  
Publication info: **EP1156507** - 2001-11-21
- 5 NEAR INFRARED RAY ABSORBING FILM**  
Inventor: SUMIDA MASAKAZU; HONDA SATOSHI      Applicant: SUMITOMO CHEMICAL CO  
EC:      IPC: G02B5/22; B32B7/02; (+3)  
Publication info: **JP2002156521** - 2002-05-31
- 6 Phthalocyanine compounds, process for producing the same, and near infrared absorbent comprising the same**  
Inventor: TERA0 HIROSHI (JP); FUJITA SHIGEO (JP);      Applicant: YAMAMOTO CHEMICALS INC (JP)  
(+1)  
EC: C07D487/22; C09B47/00; (+5)      IPC: G03F7/038; C09B47/22; (+3)  
Publication info: **US6468713** - 2002-10-22
- 7 Phthalocyanine compound, method for production thereof, and near infrared absorption dye using the compound**  
Inventor: MASUDA KIYOSHI (JP); KITAO MASUNORI      Applicant: NIPPON CATALYTIC CHEM IND (JP)  
(JP); (+1)  
EC: C09B47/06E; C09B47/22; (+1)      IPC: G03G5/06; C09B47/067; (+6)  
Publication info: **EP1072959** - 2001-01-31
- 8 MANUFACTURE OF ORGANIC ELECTROLUMINESCENT ELEMENT**  
Inventor: RI SAIKYO; KIN REIKEI      Applicant: KOTO GIJUTSU KENKYUIN KENKYU K  
EC:      IPC: H05B33/10; H05B33/14; (+1)  
Publication info: **JP2000133448** - 2000-05-12
- 9 ORGANIC ELECTROLUMINESCENT ELEMENT AND MANUFACTURE THEREOF**  
Inventor: MIYAGUCHI SATOSHI; KUBOTA HIROFUMI      Applicant: PIONEER ELECTRONIC CORP  
EC: H01L51/52C      IPC: H05B33/04; H05B33/10; (+1)  
Publication info: **JP2000223264** - 2000-08-11
- 10 ORGANIC EL ELEMENT AND ITS MANUFACTURE**  
Inventor: OGAWA YUKIO; IIZUMI YASUHIRO; (+2)      Applicant: FUTABA DENSHI KOGYO KK  
EC:      IPC: H05B33/10; C23C14/12; (+3)  
Publication info: **JP2000164355** - 2000-06-16

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### 11 ORGANIC EL ELEMENT AND ITS MANUFACTURE

Inventor: TAKAHASHI HISAMITSU; TSURUOKA  
YOSHIHISA; (+3)

Applicant: FUTABA DENSHI KOGYO KK

EC:

IPC: H05B33/10; H05B33/14; (+1)

Publication info: **JP2000150146** - 2000-05-30

### 12 MANUFACTURE OF ORGANIC ELECTROLUMINESCENT ELEMENT

Inventor: KUBOTA HIROFUMI; ISHIDA TAIZO

Applicant: PIONEER ELECTRONIC CORP

EC:

IPC: H05B33/04; H05B33/10

Publication info: **JP2000077183** - 2000-03-14

### 13 INFRARED RAY ABSORPTION FILM

Inventor: KOBAYASHI MASANORI; SHIMOMURA  
TETSUO; (+4)

Applicant: TOYO BOSEKI

EC:

IPC: B32B7/02; B32B7/02; (+3)

Publication info: **JP10211668** - 1998-08-11

### 14 FILTER FOR PLASMA DISPLAY

Inventor: OI TATSU; MATSUZAKI YORIAKI; (+3)

Applicant: MITSUI PETROCHEMICAL IND; YAMAMOTO  
CHEMICALS INC

EC:

IPC: G02B5/22; B29D31/00; (+5)

Publication info: **JP10078509** - 1998-03-24

### 15 LAMINATED TYPE ELECTROPHOTOGRAPH PHOTSENSITIVE BODY AND MANUFACTURE THEREFOR

Inventor: SATO TETSUYA; HISADA HITOSHI; (+4)

Applicant: MATSUSHITA ELECTRIC IND CO LTD

EC:

IPC: G03G5/06; G03G5/06; (+2)

Publication info: **JP10073940** - 1998-03-17

### 16 ELECTRIC INSULATING MATERIAL, INTER-LAYER INSULATIVE FILM, AND FORMING METHOD FOR THE FILM

Inventor: TO YOICHI

Applicant: SONY CORP

EC:

IPC: H01B3/24; C08L83/00; (+1)

Publication info: **JP8321217** - 1996-12-03

### 17 ANTIREFLECTION FILM AND PATTERN FORMING METHOD USING THIS FILM

Inventor: TO YOICHI

Applicant: SONY CORP

EC:

IPC: H01L21/027; G03F1/08

Publication info: **JP8064492** - 1996-03-08

### 18 IMAGE FORMING METHOD

Inventor: NISHIMURA TOSHIO; SHIMOJIMA SAEKO;  
(+2)

Applicant: TOYO INK MFG CO

EC:

IPC: G03G5/147; G03G15/10

Publication info: **JP6308755** - 1994-11-04

### 19 MANUFACTURE OF NOX SENSOR

Inventor: KAMIMURA TADASHI; SAKAMOTO OSAMU;  
(+1)

Applicant: ISUZU MOTORS LTD

EC:

IPC: G01N27/12

Publication info: **JP5045316** - 1993-02-23

### 20 TEMPERATURE SENSOR

Inventor: SHICHIRI NORISHIGE; INOUE TAKESHI

Applicant: SEKISUI CHEMICAL CO LTD

EC:

IPC: G01K7/00

Publication info: **JP5010827** - 1993-01-19

## RESULT LIST

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### 21 TANDEM-TYPE ORGANIC SOLAR CELL

Inventor: SHICHIRI NORISHIGE; SUEZAKI MINORU; Applicant: SEKISUI CHEMICAL CO LTD  
(+1)  
EC: IPC: H01L29/28; H01L31/04

Publication info: **JP4337673** - 1992-11-25

### 22 New PEG ether or ester derivs. of tumour active or diagnostic agents - with longer in vivo lifetime and high levels in tumours, for nuclear medicine, chemotherapy, fluorescent diagnosis of photo-dynamic therapy

Inventor: SINN HANS-J DR (DE); SCHRENK HANS-HERMANN (DE); (+5) Applicant: DEUTSCHES KREBSFORSCH (DE)  
EC: A61K47/48H4P; A61K49/00H; (+4) IPC: A61K49/02

Publication info: **DE4017439** - 1991-12-05

### 23 ELECTROPHOTOGRAPHIC SENSITIVE BODY AND PRODUCTION THEREOF

Inventor: AIZAWA KOICHI Applicant: FUJI ELECTRIC CO LTD  
EC: IPC: G03G5/06; G03G5/14

Publication info: **JP3236058** - 1991-10-22

### 24 INFORMATION RECORDING MEDIUM

Inventor: YAMADA KATSUYUKI; IDE YUKIO; (+2) Applicant: RICOH KK  
EC: IPC: B41M5/26; G11B7/24

Publication info: **JP3176195** - 1991-07-31

### 25 DIODE ELEMENT

Inventor: SHICHIRI NORISHIGE; INOUE TAKESHI; Applicant: SEKISUI CHEMICAL CO LTD  
(+2)  
EC: H01L51/20C6; H01L51/30H4B IPC: H01L29/28; H01L31/04; (+1)

Publication info: **JP3167876** - 1991-07-19

### 26 POLYCYCLIC VARIANT PROTOMATERIAL DETECTING SENSOR AND PRODUCTION THEREOF AND METHOD AND APPARATUS FOR ANALYZING POLYCYCLIC VARIANT PROTOMATERIAL BY USING THIS SENSOR

Inventor: KAMO NAOIKI; KUROSAWA SHIGERU; (+2) Applicant: HITACHI CHEMICAL CO LTD  
EC: IPC: G01N5/02

Publication info: **JP3025344** - 1991-02-04

### 27 DEODORIZING POLYESTER FIBER

Inventor: YOSHIMURA TOSHIO; NISHIKAWA AKIFUMI; Applicant: YOSHIMURA TOSHIO  
(+3)  
EC: IPC: D01F11/08; D06M10/08

Publication info: **JP2229266** - 1990-09-12

### 28 REWRITABLE DATA RECORDING MEDIUM

Inventor: YAMADA KATSUYUKI; IDE YUKIO; (+2) Applicant: RICOH KK  
EC: B41M5/26 IPC: B41M5/26; G11B7/24

Publication info: **JP2137974** - 1990-05-28

### 29 Electrochromic device

Inventor: HOTOMI HIDEO (JP) Applicant: MINOLTA CAMERA KK (JP)  
EC: G02F1/15; G02F1/15W2 IPC: G02F1/01; G02F1/17

Publication info: **US4867541** - 1989-09-19

### 30 OPTICAL INFORMATION RECORDING MEDIUM AND MANUFACTURE THEREOF

Inventor: ERA SUSUMU; KOBAYASHI SETSUO; (+2) Applicant: HITACHI LTD  
EC: G11B7/24; G11B7/248; (+2) IPC: B41M5/26; G11B7/24

Publication info: **JP1228894** - 1989-09-12

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### 31 ELECTROPHOTOGRAPHIC SENSITIVE BODY AND PRODUCTION THEREOF

Inventor: HIRAMOTO HIROYUKI; SAKAI SATORU      Applicant: STANLEY ELECTRIC CO LTD  
EC: G03G5/147      IPC: G03G5/14  
Publication info: **JP1191858** - 1989-08-01

### 32 ELECTROPHOTOGRAPHIC SENSITIVE BODY

Inventor: NOMURA SHINICHI; KATO KAZUHISA; (+1)      Applicant: STANLEY ELECTRIC CO LTD  
EC: G03G5/147      IPC: G03G5/14  
Publication info: **JP1191857** - 1989-08-01

### 33 Photosensitive part containing phthalocyanine pigments

Inventor: UCHINO FUKIMO (JP); SAEKI NOBORU (JP); (+2)      Applicant: MINOLTA CAMERA KK (JP)  
EC: G03G5/043D; G03G5/047; (+1)      IPC: G03G5/06; G03G5/07; (+5)  
Publication info: **DE3800227** - 1988-07-14

### 34 LAMINATED FILM

Inventor: KUBOTA YUICHI      Applicant: TDK CORP  
EC:      IPC: B32B9/00; B32B27/00  
Publication info: **JP1110144** - 1989-04-26

### 35 ELECTROCHROMIC DEVICE

Inventor: YASUTOMI HIDEO      Applicant: MINOLTA CAMERA KK  
EC:      IPC: G02F1/17; G09F9/00  
Publication info: **JP1050030** - 1989-02-27

### 36 BIO-CHIP

Inventor: IWAMATSU SEIICHI      Applicant: SEIKO EPSON CORP  
EC:      IPC: H01L29/02; H01L29/28  
Publication info: **JP1036068** - 1989-02-07

### 37 ELECTROSTATIC RECORDING MATERIAL

Inventor: YASUTOMI HIDEO; IINO SHUJI      Applicant: MINOLTA CAMERA KK  
EC: G03G5/02B3; G03G5/06F; (+2)      IPC: G03G5/02  
Publication info: **JP1017061** - 1989-01-20

### 38 ELECTROSTATIC RECORDING MATERIAL

Inventor: YASUTOMI HIDEO; IINO SHUJI      Applicant: MINOLTA CAMERA KK  
EC: G03G5/02B3; G03G5/06F; (+2)      IPC: G03G5/02  
Publication info: **JP1017060** - 1989-01-20

### 39 PRODUCTION OF NITROGEN OXIDE DETECTING ELEMENT

Inventor: ISHIMURA KIWAMU; OZAKI KAZUYUKI      Applicant: NOK CORP  
EC:      IPC: C23C14/06; C23C14/24; (+1)  
Publication info: **JP63243260** - 1988-10-11

### 40 ELECTROPHOTOGRAPHIC SENSITIVE BODY

Inventor: TO YOICHI; NISHIOKA YOICHI      Applicant: OKI ELECTRIC IND CO LTD  
EC: G03G5/06H6      IPC: G03G5/06  
Publication info: **JP63198066** - 1988-08-16

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### 41 PHOTOSENSITIVE BODY

Inventor: SAEKI NOBORU; DOI ISAO; (+1)

Applicant: MINOLTA CAMERA KK

EC: G03G5/06H6; G03G5/07

IPC: G03G5/06

Publication info: **JP63173064** - 1988-07-16

### 42 PHOTOSENSITIVE BODY

Inventor: SAEKI NOBORU; SAKAGUCHI FUMIKO; (+2) Applicant: MINOLTA CAMERA KK

EC: G03G5/043D; G03G5/047

IPC: G03G5/06; G03G5/07

Publication info: **JP63170654** - 1988-07-14

### 43 PHOTOSENSITIVE BODY

Inventor: SAEKI NOBORU; SAKAGUCHI FUMIKO; (+2) Applicant: MINOLTA CAMERA KK

EC: G03G5/047; G03G5/06H6; (+1)

IPC: G03G5/06

Publication info: **JP63169653** - 1988-07-13

### 44 PHOTOSENSITIVE BODY

Inventor: SAEKI NOBORU; SAKAGUCHI FUMIKO; (+2) Applicant: MINOLTA CAMERA KK

EC: G03G5/047; G03G5/05A4; (+2)

IPC: G03G5/06

Publication info: **JP63169652** - 1988-07-13

### 45 PHOTOSENSITIVE BODY

Inventor: SAEKI NOBORU; SAKAGUCHI FUMIKO; (+2) Applicant: MINOLTA CAMERA KK

EC: G03G5/047; G03G5/05A4; (+2)

IPC: G03G5/06; G03G5/07

Publication info: **JP63169651** - 1988-07-13

### 46 PHOTOSENSITIVE BODY

Inventor: SAEKI NOBORU; SAKAGUCHI FUMIKO; (+2) Applicant: MINOLTA CAMERA KK

EC: G03G5/043D; G03G5/06H6

IPC: G03G5/06

Publication info: **JP63169650** - 1988-07-13

### 47 PHOTOSENSITIVE BODY AND ITS MANUFACTURE

Inventor: OSAWA MOCHIKIYO; IINO SHUJI; (+1) Applicant: MINOLTA CAMERA KK

EC: G03G5/147D2

IPC: G03G5/00; G03G5/14

Publication info: **JP63097964** - 1988-04-28

### 48 PHOTOSENSITIVE BODY

Inventor: IINO SHUJI; YASUTOMI HIDEO; (+4) Applicant: MINOLTA CAMERA KK

EC: G03G5/043D; G03G5/082D

IPC: G03G5/06

Publication info: **JP63073259** - 1988-04-02

### 49 METHOD FOR CONFIRMING SUFFICIENCY OF PLASMA TREATMENT

Inventor: MITA FUMIO; KITAGAWA KUNIHARU; (+2) Applicant: FUJI PHOTO FILM CO LTD; NISSAN MOTOR

EC: B29C59/14; G01N21/78; (+1)

IPC: B05D3/04

Publication info: **JP63016073** - 1988-01-23

### 50 ELECTROCHROMIC DISPLAY ELEMENT

Inventor: YASUTOMI HIDEO

Applicant: MINOLTA CAMERA KK

EC:

IPC: G02F1/17; G09F9/30

Publication info: **JP62299822** - 1987-12-26

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### 51 ELECTROCHROMIC DISPLAY ELEMENT

Inventor: YASUTOMI HIDEO

Applicant: MINOLTA CAMERA KK

EC:

IPC: G02F1/17; G09F9/30

Publication info: **JP62291625** - 1987-12-18

### 52 OPTICAL INFORMATION RECORDING MEDIUM

Inventor: SATO TSUTOMU

Applicant: RICOH KK

EC:

IPC: G11B7/24

Publication info: **JP62175942** - 1987-08-01

### 53 ORGANIC SOLAR BATTERY

Inventor: YASUTOMI HIDEO

Applicant: MINOLTA CAMERA KK

EC: H01L51/20C6

IPC: C08K9/04; C08L101/00; (+1)

Publication info: **JP62102569** - 1987-05-13

### 54 MANUFACTURE OF ORGANIC SEMICONDUCTIVE THIN FILM

Inventor: MIYATA SEIZO; BOKU ZENKIN; (+2)

Applicant: MITSUBISHI PETROCHEMICAL CO; MYATA SEIZO

EC: H01L51/30M2

IPC: C07D487/22; C08G61/12; (+4)

Publication info: **JP61210680** - 1986-09-18

### 55 SURFACE MODIFICATION OF POWDER COATING PARTICLE AND SUSPENSION COMPOSITION

Inventor: TSUTSUI KOICHI; IKEDA SHOJI

Applicant: NIPPON PAINT CO LTD

EC:

IPC: C08J3/04; C08J3/28

Publication info: **JP61163939** - 1986-07-24

### 56 METHOD FOR CONFIRMING PLASMA TREATMENT

Inventor: OONO MASAFUMI; ISHII KIMINORI

Applicant: NISSAN MOTOR

EC:

IPC: C08J7/00; C08J7/06

Publication info: **JP61021140** - 1986-01-29

### 57 MANUFACTURE OF ORIGINAL DISC FOR DUPLICATING INFORMATION MEDIUM

Inventor: ETSUNO NAGAAKI; OGAWA KOUICHI; (+2)

Applicant: FUJITSU LTD

EC: G11B7/26

IPC: B29D17/00

Publication info: **JP58224450** - 1983-12-26

### 58 MANUFACTURE OF BASE-PLATE MOUNTED BATTERY

Inventor: EBISAWA FUMIHIRO; KUROKAWA TAKASHI; (+2)

Applicant: NIPPON TELEGRAPH & TELEPHONE

EC: H01M6/18P; H01M10/40

IPC: H01L31/04

Publication info: **JP58112272** - 1983-07-04

### 59 AIR CELL

Inventor: YOSHIDA KAZUMASA; WATANABE MICHIO

Applicant: TOSHIBA BATTERY

EC: H01M4/90B

IPC: H01M4/86

Publication info: **JP57148876** - 1982-09-14

### 60 Process for the preparation of euglobulin fractions from animal sera or plasma

Inventor:

Applicant: PHILIPPE LUC BARRAL

EC: C07K14/47A8

IPC:

Publication info: **GB898674** - 1962-06-14

## RESULT LIST

1 result found in the Worldwide database for:

**"titanyl phthalocyanine\*" AND plasma\*** in the title or abstract

(Results are sorted by date of upload in database)

### 1 PHOTSENSITIVE BODY

Inventor: SAEKI NOBORU; SAKAGUCHI FUMIKO; (+2) Applicant: MINOLTA CAMERA KK

EC: G03G5/047; G03G5/05A4; (+2)

IPC: G03G5/06; G03G5/07

Publication Info: **JP63169651** - 1988-07-13

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## PHOTOSENSITIVE BODY

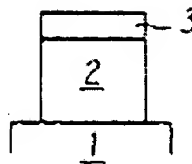
**Patent number:** JP63169651  
**Publication date:** 1988-07-13  
**Inventor:** SAEKI NOBORU; SAKAGUCHI FUMIKO; OSAWA MOCHIKIYO; OTA KAZUO  
**Applicant:** MINOLTA CAMERA KK  
**Classification:**  
- **international:** G03G5/06; G03G5/07  
- **european:** G03G5/047; G03G5/05A4; G03G5/06H6; G03G5/07  
**Application number:** JP19870002516 19870108  
**Priority number(s):** JP19870002516 19870108

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### Abstract of JP63169651

**PURPOSE:** To improve the electric charge performance and sensitivity in a long wavelength region of a photosensitive body by using a co-vapor deposited film of a phthalocyanine base pigment and inorg. oxide as an electric charge generating layer of said body and a plasma-polymerized film of an org. compd. as an electric charge transfer layer.

**CONSTITUTION:** This photosensitive body is laminated with the charge generating layer 3 and the charge transfer layer 2 and the co-vapor deposited film consisting of the two components; the phthalocyanine base pigment (A) and the inorg. oxide (B) is used for the layer 3. The plasma-polymerized film which is formed by glow discharge of the org. compd. (C) and contains C and H as constituting atoms is used for the layer 2. Aluminum chlorophthalocyanine (chloride) and titanyl phthalocyanine are usable for the component A of the layer 3 and SiO<sub>2</sub>, Al<sub>2</sub>O<sub>3</sub>, and MgO are usable for the component B. Styrene, butadiene and acetylene are usable for the component C of the layer 2. The photosensitive body which has the high sensitivity and charge performance even in the long wavelength region is obtd. according to the above-mentioned constitution; in addition, the photosensitive body is prepd. by the simplified stage.



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# RESULT LIST

0 results found in the Worldwide database for:

**"titanyl phthalocyanine" AND (waste\* OR hazard\*)** in the title or abstract

(Results are sorted by date of upload in database)

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# RESULT LIST

0 results found in the Worldwide database for:

**"titanylphthalocyanine" AND (waste\* OR hazard\*)** in the title or abstract

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**RESULT LIST**

1 result found in the Worldwide database for:

**"titanyl phthalocyanine" AND toxic\*** in the title or abstract

(Results are sorted by date of upload in database)

**1 MANUFACTURE OF ELECTROPHOTOGRAPHIC SENSITIVE BODY**

Inventor: NAKARAI TOYOAKI; OOIZUMI ISAO; (+1)

Applicant: SUMITOMO CHEMICAL CO

EC: G03G5/06H6

IPC: G03G5/04; G03G5/06; (+1)

Publication info: **JP59214034** - 1984-12-03

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# MANUFACTURE OF ELECTROPHOTOGRAPHIC SENSITIVE BODY

**Patent number:** JP59214034  
**Publication date:** 1984-12-03  
**Inventor:** NAKARAI TOYOAKI; OOIZUMI ISAO; YASUI MASAOKI  
**Applicant:** SUMITOMO CHEMICAL CO  
**Classification:**  
- international: G03G5/04; G03G5/06; H01L31/08  
- european: G03G5/06H6  
**Application number:** JP19830088647 19830519  
**Priority number(s):** JP19830088647 19830519

**Report a data error here**

## Abstract of JP59214034

**PURPOSE:** To form a laminated type electrophotographic sensitive body high in sensitivity to lights in a near IR region and free of toxicity and superior in durability by using an electrostatic charge generating layer obtained by vapor depositing a specified phthalocyanine compd. in vacuum. **CONSTITUTION:** A phthalocyanine compd. having Ti as the central metal, such as titanyl phthalocyanine, and having a heating loss of  $\leq 3\text{wt}\%$  at 350 deg.C is used for this invention. Said compd. is vapor deposited in vacuum on a substrate, such as an aluminum plate, to form a charge generating layer of about 100nm thickness, and coated with a coating liquid consisting of a hole conductive charge transfer agent, such as carbazole, and a binder, such as polycarbonate, and dried to form an about 10 $\mu\text{m}$  thick charge transfer layer to obtain an electrophotographic sensitive body.

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## RESULT LIST

1 result found in the Worldwide database for:

**titanylphthalocyanine AND toxic\*** in the title or abstract

(Results are sorted by date of upload in database)

### 1 ELECTROPHOTOGRAPHIC PHOTORECEPTOR, AND APPARATUS AND METHOD FOR FORMING IMAGE BY USING SAME

Inventor: ITAMI AKIHIKO

Applicant: KONISHIROKU PHOTO IND

EC:

IPC: G03G5/05; G03G5/06

Publication info: **JP10326023** - 1998-12-08

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# ELECTROPHOTOGRAPHIC PHOTORECEPTOR, AND APPARATUS AND METHOD FOR FORMING IMAGE BY USING SAME

Patent number: JP10326023  
Publication date: 1998-12-08  
Inventor: ITAMI AKIHIKO  
Applicant: KONISHIROKU PHOTO IND  
Classification:  
- international: G03G5/05; G03G5/06  
- european:  
Application number: JP19980070327 19980319  
Priority number(s): JP19980070327 19980319; JP19970069406 19970324

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## Abstract of JP10326023

PROBLEM TO BE SOLVED: To reduce toxicity, to eliminate environmental problems, to enhance coatability and laminability and the like, especially, to reduce fluctuation of sensitivity, and to enhance potential characteristics and image characteristics over a long period since an image is formed by incorporating a specified dioxolan and a specified titanylphthalocyanine in a photosensitive layer.  
SOLUTION: This photosensitive layer contains one of the dioxolan and dioxolan derivatives in an amount of 0.001-10 weight %, and the titanylphthalocyanine having a maximum peak at  $27.2 \pm 0.2$  deg.C of Bragg angle  $2\theta$  to Cu-k $\alpha$  ray. It is necessary for a sufficient amount of water molecules to exist in the crystals in order to exhibit the characteristics of this titanylphthalocyanine especially stably. The dependence on the environment can be reduced and fluctuation of potential due to repeated uses can be lessened by incorporating the dioxlan and its derivative in the photosensitive layer in an amount of 0.001-10 weight % for this purpose.

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